DeltaEFT Review Workshop

When	Where
Wednesday, January, 30, 2013 8:30am arrival, sign-in 9am - 4:30pm meeting	Tsakopoulos Library Galleria, *East Meeting Room* 828 I Street Sacramento, CA 95814

This is a peer review workshop where your active participation is essential. The objectives for the workshop are:

1. Discuss the scientific and technical credibility of DeltaEFT's focal species and habitat indicators.
    - Highlight advances in latest understanding of priority species added since 2009 that would help inform adjustments to existing performance indicators.
    - Identify new directions for submodels and indicators that are missing.
2. Review candidate functional ecological flow criteria that emerge from DeltaEFT;
3. Ensure the decision support tool's outputs remain clear and directly relevant to water managers.

We have invited leading biologists and hydrosystem modelling experts to join us in discussing how to improve the Delta Ecological Flows Tool (DeltaEFT). We have not developed EFT in a vacuum – the functional relationships and indicators that we've encapsulated into this decision support tool represent the collective thoughts of more than 70 scientists from state and federal agencies, consulting firms, and research institutions that have participated in our workshops or that wrote the papers on which the relationships are based. We have used a structured decision making approach centered on review of scientific literature and this expert input to set define objectives, select representative focal species, develop conceptual models and build cause-effect functional relationships. Continuing this open, collaborative working relationship with leading experts such as yourself is critical to ensuring EFT remains credible and captures evolving scientific understanding.

Discussions will be conducted in both plenary and subgroup format, as described in the agenda below. Participants interested in detailed understanding of DeltaEFT will receive a copy of the DeltaEFT Record of Design where you will find all pertinent details of the underlying functional relationships, rules and assumptions of DeltaEFT (this will be made available on January 12, 2013 *to confirmed participants*).

EFT works by integrating a range of representative functional ecological response indicators with key physical variables obtained from widely used hydrologic models. EFT transparently relates multiple attributes of the flow regime to multiple species' life history needs, contributing to an effective understanding of flow and non-flow restoration actions on multiple focal species and their habitats. The hallmark of the EFT approach is integration and clear communication of multiple ecological trade-offs associated with different water operation alternatives.

DeltaEFT Review Workshop Agenda

Wednesday, January, 30, 2013

Time	Topic	Theme
8:30 am	**Arrive, sign-in**	
9:00am - 9:15am	**Opening** ▪ Introductions ▪ Brief background and future of DeltaEFT ▪ Objectives of review workshop	Overview
9:15am - 9:40am	**EFT review** ▪ What is it? Short summary of species and indicators included. Scope/bounding. Types of output. Quick demo. Major assumptions made in the initial modelling. ▪ Emerging EFT ecological flow criteria. ▪ Identify participant preferred subgroup(s).	Overview (w Q&A)
9:40am - 10:30am	**Invasive species deterrence / Tidal Wetlands (plenary)** *Context summary presentation (~20 minutes incld. questions)* • Summary of submodels /indicator functional relationships, major assumptions (e.g., index areas used, hazard thresholds) • Example of detailed Excel output reports Subgroup questions & focus: • General reactions? • Obvious corrections, enhancements? • Emerging publications/studies that shape management of invasive species or wetland habitats?	Submodel Review
10:30 - 10:45am	**BREAK**	
10:45am - noon	**Chinook Salmon / Steelhead (subgroup 1)** *Context summary presentation (~1hr incld. questions)* • Summary of submodels /indicator functional relationships, major assumptions (e.g., index areas used, hazard thresholds) • Example of detailed Excel output reports • Review candidate functional ecological flow criteria that emerge Subgroup questions & focus: • Obvious corrections, enhancements? • Critical gaps, missing elements? • Outputs clear and relevant? • High-value datasets /observations/emerging publications/other modelling results that could be used to further corroborate indicators?	Submodel Review
10:45am - noon	**Pelagic fish (smelt and splittail) (subgroup 2)** *Context summary presentation (~1hr incld. questions) ...same steps/process as subgroup 1*	Submodel Review
12:00 - 1:15 pm	**Lunch on your own**	
1:15pm-3:00pm	**Chinook Salmon / Steelhead cont'd...(subgroup 1)**	Submodel Review
1:15pm-3:00pm	**Pelagic fish (smelt and splittail) cont'd...(subgroup 2)**	Submodel Review
3:00 - 3:30pm	**Break**	
3:30 pm	**Summary reports from subgroups (plenary)** • Summary of major recommendations by subgroups • report back on subgroup progress • brief discussion of next steps	Reporting back
4:30pm	Adjourn	